

Madison County Montana LEPC

Chairman: Scott McClintic
Secretary: Joseph Brummell
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Minutes January 16th, 2020

EOP Review: Annex T, Hazmat Material Release / Response

Changes that were made are highlighted and included in March 19th LEPC Agenda for approval

Call to order: 6:02 pm

Introductions: list of attendees (see enclosed roster).

Approve minutes from November 21st, 2019: Motion made by Lynda Holt, 2nd by Boice Atkinson, all in favor, none opposed, no discussion, motion to approve minutes passed.

1. Committee Reports:

DES (Joseph Brummell): To date: 1 Car Fire Sheridan, 1 Structure Fire Ennis, 0 Grass/Wildland Fires 0 acres, PCSR 0, Open burning March 1st – November 30th; mailer will be sent to each permit detailing what can and cannot be burned using the county burn system. 383 total permits \$5,745.00, IamResponding \$2,148.00, portal usage fees TBD, \$549.50 estimated. Facilitated/Conducted TTX for Care Centers. Shelter-in Place/Evacuation, 18 Dec DNRC Cataract Meeting with water association and DNRC. 18 Dec Southwest Fire Council, 19 Dec Fire Chiefs. Quarterly Reports 1 Fire Mitigation Closeout (DNRC). 11 Jan Structure Fire Ennis, activated COAD/American Red Cross to assist 9 people displaced. 15 Jan Exercise Madison Manor Evaluator for internal full scale exercise. 15 Jan COAD 32 organizations capable of handling 33 different incidents (Animal Med/Rescue – Sandbags) COAD is conducting exercises and working on their Communications Annex (notifications and activation) working with 211 and Gal County's Everbridge. Upcoming documentation for physical donations (Salvation Army) and monetary donations (United Way). 15 Jan Train the Trainer Disaster Management System EMT3 MCI IC kit, more to follow for each district training.

Communications (Lynda Holt): Zurker has been working the last few days, CAD has been loaded on machines, and it is scheduled to go online September 29th, 2020. Once things are on line, monthly reports can be sent to each district to see what activity they have had. Interviews were conducted last week for new dispatchers. Once background checks are complete we can pull them in. Open house in February.

Sheriff (Lynda Holt): The Sheriff and Undersheriff have both been working with Zurker as well to get to know their part in the new CAD. Once the new CAD is online they will have more access from their cruisers. He also has several applications out that he is hiring for.

Public Health (Melissa Brummell): We are still in fly season! There has been changes in the staff with a new clerk that came in June as well as 2 new employees started this week. Tobacco Prevention Specialist and a part time nurse to assist working 10hrs a week. The full time nurse is leaving the end of this month. We will be hiring out for that position soon. As well as the medical director resigned. All new employees are working on their base ICS level 100,200, and 700. A suicide prevention training is scheduled for February 1st, 2020. I am now working as the Infection Prevention Officer in both county care centers. As well as updating their EOP's to assist with their incident command.

Ruby Valley Ambulance Service (Kelsey Cooksey): We have had a recent influx of new staff, part of this is a new medic who has taken on training the staff. We will be receiving a new ambulance, hopefully in June but no later than August.

Ruby Valley Hospital (Ezra Ginzberg): On December we conducted a tabletop exercise. We were able to isolate some areas we need to work on.

Forest Service (Dale Olson): We are in the process of hiring our seasonal employees. We are filling 3 new jobs in the fire area, so there has been a bit of a shuffle. The fire fighters are looking to push another group out to assist in Australia sometime in early February.

VCRVFD (Tony James): We have had 1 chimney fire, and a response for mutual aid to Ennis in their last structure fire. There is an old vehicle that we are converting to a command vehicle hopefully.

HRVFD (Boice Atkinson): It has been really cold with lots of wind. There was a dog rescue that took almost 3 hours. The new truck is continuing to be out fitted little by little. 24th – 26th of April we will be hosting our annual Fire Academy.

Madison Valley Medical Center (Jillian Acosta): I am still working on getting things in a row. Over the next couple of months we are concentrating on education. Our nursing staff has been a bit short over the last couple months. There is a Team Course being conducted on 15th, April by the State Trauma Care Committee. JUVARE was set to go live this week, but the training is being rescheduled. I am redoing all the American Heart Association Recertification's, so if anyone needs any training Heart Saver, CPR, AED, First Aid, BLS, ACLS, PALS just contact me.

Ruby Valley SAR (David Welch): Our last rescue was Camp Creek outside of Melrose. Two hunters and two dogs were fetched from the mountains. Last week we conducted our annual water training at the Dillon YMCA. December 7th, and the 14th we conducted snowmobile training mainly with the RVSAR but members from Anaconda and Jefferson participated as well. February 9th the Montana Air National Guard is coming in with a Blackhawk with a hoist to assist us with training. This will include the MVSAR, Beaverhead County, Anaconda, and Jefferson County.

GIS (Tommy Luksha): I am considering utilizing a grant application for funds from the MLA to hire a surveyor. To assist with the mapping of the districts both fire and ambulance.

State DES Bob Fry: The state DES office is looking to hire a GIS position. MaCo meeting is in 11-12 February where there is an Emergency Management Commissioner day as well as a day for DES training. The DNRC will be briefing the commissioners on the new COOP 2. State DES conducted web EOC training yesterday that is a platform under JUVARE where we can also conduct resource management. We are looking to modify some of the funding sources to help get all these together. The Homeland Security Grants are due in March so make sure you plan your LEPC priorities early. Generally radios tend to be the most item requested.

MVRVFD (Scott McClintic): November through December things were quiet, we did have a structure fire on Saturday. Thank you to VC Fire for responding. In review of that fire, we were very close to one of the propane tanks having a bleve. We need to put pressure on the public and the propane companies to not stack garbage and debris in or around propane tanks. MVRural has purchased some property for Station 4 in the McAllister area with construction starting in or around 4-5 years.

2. Old Business:

- Mass Casualty Trailer / Bus; Mass Casualty Incident Command System. Get with DES to schedule your districts!
- NorthWestern – Public Service Commission Lineman Memo.
- TIER 2 reports are due to DEQ-EPLAN's by 1 March 2020

3. New Business:

- Elections (per by laws 2 yr term)

Chairman Scott McClintic (re-elected) motion made by Tony James, 2nd by Lynda Holt, all in favor, none opposed, no discussion, motion to approve chairman re-election passed.

Secretary Joseph Brummell (re-elected) motion made by Lynda Holt, 2nd by Tony James, all in favor, none opposed, no discussion, motion to approve secretary re-election passed.

- 2020 Emergency Response Guidebook due this spring
- Annex C Continuity of Operations; changes approved by Commissioners January 7th 2020
- Annex D Damage Assessment (approve changes highlighted in yellow in handouts) motion to approve changes made by Pete Armstrong, 2nd by Boice Atkinson, all in favor, none opposed, no discussion, motion to approve changes to Annex D passed.
- Cataract DAM High Risk/Non-Compliant; emergency plans for Pony and Harrison (see handout)
- Laptops for EOC
- Smoked Wildfire Detector (see handout)

4. Training/Meetings:

- January 21-22nd ; G290 Basic Public Information Officer, St. Peter's Hospital Education Center, 2475 Broadway Helena, POC Reese Martin 406-447-8285
- January 22 – March 18th ; Montana Liquid & Gas Pipeline Association Emergency Response Exercise (see attached for times, locations, and registration information)
- January 21-22nd; G290 Basic Public Information Officer, St. Peter's Hospital Education Center 2475 Broadway Helena, POC Reese Martin 406-447-8285
- January 23-24th; Advanced Group CISM, Livingston, POC Carol Burroughs 406-580-4443
carolatwork@montana.net
- January 31-February 1; Basic Group CISM Training, Choteau MT. Location TBA Sponsored by Teton County CISM Team POC TBA
- February 1st 1400 QPR Suicide Prevention Training; Twin Bridges School, POC Melissa Brummell
- February 10-12th ; MACo Mid-Winter Conference (with DES), Great Falls, Venue POC TBD
- February 26-27th; MGT-324 Campus Emergencies Prevention, Responses and Recovery, Ravalli County SAR 2029 North 1st St Hamilton, FEMA SID # Required, register online;
[https://train.ncbrt.lsu.edu/Student/Register?ClassID=26995\[train.ncbrt.lsu.edu\]](https://train.ncbrt.lsu.edu/Student/Register?ClassID=26995[train.ncbrt.lsu.edu]), class ID 26995, POC Carissa Meister cmeister@ncbrt.lsu.edu
- March 2nd 0815 ICS 100-200; Virginia City Public Meeting Room Annex Bldg; POC Robert Wallingford (see handout)
- March 4-5; MGT-409 Community Health care Planning and Response to Disasters, Ravalli County SAR 2029 North 1st St Hamilton, FEMA SID number required, Class IDL 26996, Class Access Code: NCBRT409, POC Carissa Meister cmeister@ncbrt.lsu.edu, register online:
[https://train.ncbrt.lsu.edu/Student/Register?ClassID=26996 \[train.ncbrt.lsu.edu\]](https://train.ncbrt.lsu.edu/Student/Register?ClassID=26996[train.ncbrt.lsu.edu])
- March 27-28th; HAZMAT Awareness/Operations Training (Craig Jeppson), Madison Valley Rural Fire Department Station #1, RSVP to this office by March 24th.
- April 14-16th; Northern Rockies Incident Management Workshop, Hilton Garden Inn Missoula, POC Kathy Pipkin 406-329-4709 kathy.pipkin@usda.gov
- April 16th; Preparedness 2020 Conference, RiverStone Health 123 South 27th Billings, POC Jennifer Staton 406-651-6443 jennifer.sta@riverstonehealth.org
- April 20-24th; Public Information Officer Training Course Combined NWCG S203 and FEMA G290 Curriculum, Bozeman, [https://mtpio.eventbrite.com\[mtpio.eventbrite.com\]](https://mtpio.eventbrite.com[mtpio.eventbrite.com]), POC Mariah Leuschen 406-587-6735 mariah.leuschen@usda.gov
- April 28-30; ICS 300 Intermediate Incident Command System, Central Valley Fire 215 Wings Way Belgrade, No cost taught by Texas A&M TEEX, POC Kevin Larsen 406-548-0111 kevin@readygallatin.com, register online:

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<https://ics300.eventbrite.com>

- a. May 4-8, L-381 All Hazard Incident Leadership, Bucks T-4 46626 Gallatin Road Big Sky, No cost grant funded,
POC Kevin Larsen 406-548-0117 kevin@ready.gallatin.com

Next Fire Chiefs Meeting: Chiefs change dates??? February 20th Sheridan Fire Department

South Western Montana Fire Chiefs Council: February 19th location Twin Bridges?

Next LEPC: March 19th 6:00 pm (EOP Review Annex E Direction and Control)

Adjourned 8:07 pm

LEPC

1/16/20

Joseph Brummell

Scott McClintic

Kelsey Cooksey

Ezra Ginzberg

MIKE CALIAHAN

BOB FRY

Rob Wallingford

Lynda Hott

Melissa Brummell

Tommy Luksha

David Welch

Pete Armstrong

Boice L. Atkinson

Toni Jones

Dale Olson

Jillian Acosta

MADISON COUNTY DES

MLRFD

0 miles

RVEMS

~~RVEMS~~ RUMC

RVEMS

MT DES

Madco DES.

911

P. H.

MGGIS

RVSAV

ITVFD

HVFD

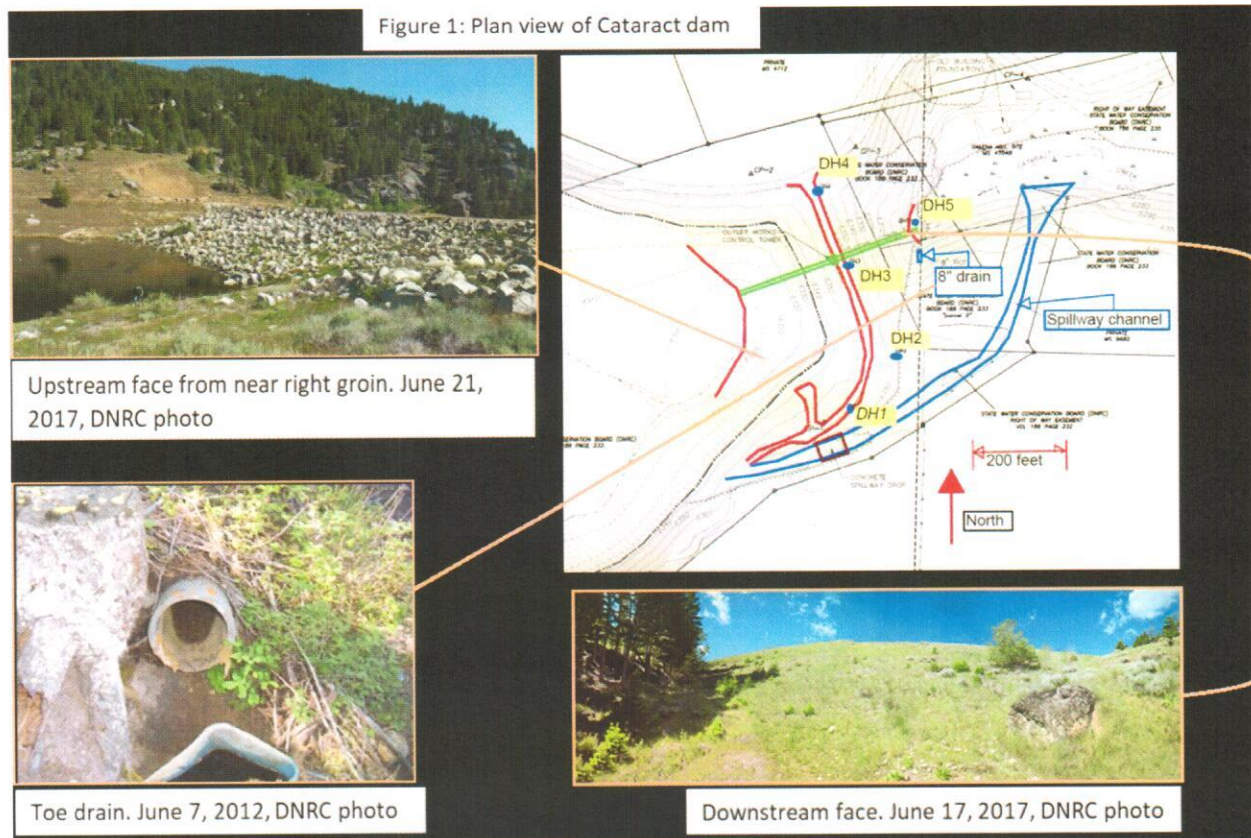
VRFD

USFS

MVMC

4. Action 4: provide the seepage summary report as required in your current Operation Permit no later than March 30th, 2020. The report must be completed by a licensed engineer and include summary plots and an interpretation of all data collected to date; an assessment of the drain flows and sediment in relation to reservoir levels; an assessment of mechanisms causing sediment accumulation; an analysis of piezo metric data and recommendations for future monitoring.

According to DNRC none of these action items are negotiable. Damage to dam happened around 2010-2011



Discussion Items:

1. Remote Monitoring System (from action item #2)
 - a. DNRC agrees of the costs and access challenges
 - b. DNRC confirmed site visits in 97, 07, 11, 12 to collect level data
 - c. Spring runoff beginning in May leaves not much time for deadline
 - d. May need to find alternate means to access depending on snow levels
 - e. Remote site monitoring is now the standard or practice for all hazardous remote access dams
2. Basis for Reservoir level restriction elevation
 - a. Presence of sediment and increased drain flows in toe drain are a red flag (toe drain: are often used to prevent capillary rise on the downstream slopping surface)
 - b. Previous measurements taken when reservoir was below 6,330 feet had no flow out of drain
 - c. Presence of sediment began in 2012

- d. Extremely high reservoir levels in 2010 and 2011 and extremely high flows out of drain pipe caused internal erosion to initiate
- e. From 2014 – 2018 drain flow data was not collected by the CWUA and reservoir level data was recorded incorrectly
- 3. What could be going on in the dam?
 - a. Not sure what dam is/was constructed of
 - b. The pipe may have been designed to collect water through the joints
 - c. The drain pipe was likely damaged during the 1960 grouting effort
 - d. There are several internal erosion failure modes that could be developing in the dam, as evidenced by the increasing drain flows at reservoir elevations lower than in the past and the appearance of sediment



- 4. High Hazard Dam Owner Responsibilities not met
 - a. Emergency Action Plan updates 2014-2017 not done
 - b. Annual owner inspections 2014-2016 documentation not submitted
 - c. Seepage monitoring 2014 – 2018 drain flow not measures, reservoir measurements inaccurate; data not evaluated
 - d. O & M manual needs to be finalized (2019 operation permit requirement not done)
 - e. Seepage summary Evaluation submitted to DNRC by Sep 30th 2019 (2019 operation permit condition) not done
 - f. 2018 excavation into drain area no construction permit/no engineer oversight
 - g. 2019 excavation permit deadlines (all late, no repair completed)
- 5. Downstream Inundation Maps
 - a. DNRC evaluated inundation areas for dam failure with reservoir at spillway crest with reservoir at restricted pool
 - b. In both cases the town of Pony has little to no warning time
 - c. DES noted 234 structures within inundation areas
 - d. Willow Creek Reservoir (another restricted dam)
- 6. Next year
 - a. Continue to measure piezometers (a piezometer is either a device used to measure liquid pressure of ground water at a specific point)
 - b. If you see sediment and flows > 15-20 GPM this is serious – immediately contact your engineer and let Madison County Dispatch know that something at the dam is happening
- 7. What will it take to lift the restriction
 - a. Full compliance with all dam safety requirements and permit conditions

- b. Need to prove dam safety that an internal erosion failure mode is not developing through investigative analysis. DNRC must be assured the residents downstream are not in danger
8. Grants
 - a. Very few opportunities for private dam owners
 - b. Some have switched to irrigation districts in order to be eligible for grants
9. Emergency Action Plan and Operation and Maintenance Manual
 - a. The 2018 EAP that was submitted had many errors
 - b. EAP needs to be updated annually
10. Use of Geotechnical Engineering Expert
 - a. DNRC Recommends the CWUA hire an expert in dams, seepage and internal erosion to conduct additional investigations
 - b. Hire a dam specialist

